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WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah Agricultural Experiment Station,
U.S. National Park Service, U.S. Geological Survey; and other
Federal, State, and private organizations.

||||||| AS OF |||||
APR. 1, 1964

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 2807, Portland, Oregon 97208.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

APRIL 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
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Issued by

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PROSPECTIVE WATER SUPPLIES

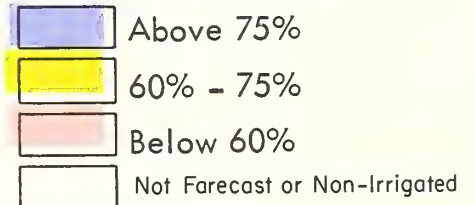
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

April 1, 1964

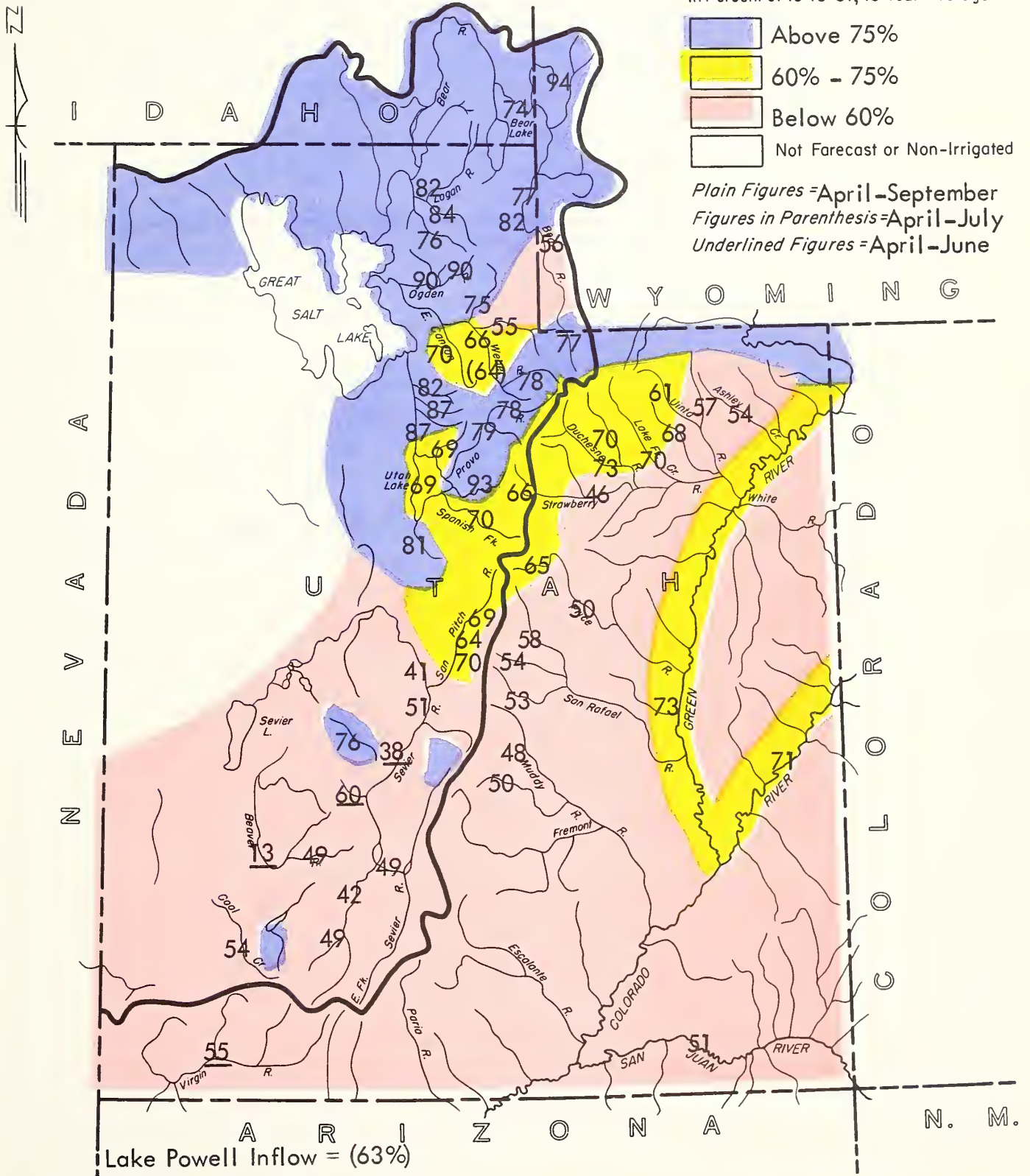
Approximate Date



FORECAST STREAM FLOW
in Percent of 1943-57, 15 Year Average



Plain Figures = April-September
Figures in Parenthesis = April-July
Underlined Figures = April-June



Lake Powell Inflow = (63%)

Flaming Gorge Inflow = (75%)

T0: Recipients of the Utah Snow Survey and Water Supply Forecast
Bulletins.

A Summary of all Snow Survey Measurements made in Utah for the
years 1924 to 1963 inclusive has been completed. It will replace
previous Summaries which have been issued.

If you wish to receive one or more copies of this Summary, you
may do so by sending this page to:

Soil Conservation Service
Snow Survey Section
222 South West Temple
Salt Lake City, Utah 84101

Indicate number of copies desired _____

Your name and Address:

WATER SUPPLY OUTLOOK

as of

April 6, 1964

* * * * *

* Although March storms brought improvement in the outlook for
* this summer's water supply, water users in southern Utah are
* still faced with very poor prospects. Supplies will be gen-
* erally adequate in northern areas of the Great Basin, parti-
* cularly for water users owning reservoir storage water. In
* the Uintah Basin of northeastern Utah where there is limited
* reservoir storage, the outlook is for poor to fair supplies.

* * * * *

In spite of generally above normal snowpack accumulation during March, the water users in most areas of southern and eastern Utah are still faced with the prospect of very poor water supplies this summer. Streamflow forecasts range from about 40% to 65% of average on most of these watersheds.

The outlook for northern Utah is much better. Streams from Utah Lake northward to the Idaho line are expected to yield generally adequate water supplies, although some late season shortages may develop for people on natural flow rights. Most of these streams are forecast to flow at about 70% to 95% of average.

In the Uintah Basin a very light snowpack on southern and eastern streams has resulted in low forecasts. The strawberry river at Duchesne, southern tributaries and streams near Vernal from Brush Creek to the Uintah river should produce about 45% to 65% of average. From Yellowstone Creek to the Duchesne river, forecasts range from 65% to 75%. Snow cover is heavier in Daggett county, where near average streamflow is expected.

There are several exceptions to the general outlook that are worthy of note. Parowan Creek in southern Utah should yield near 85% of average supplies. The two snow courses on this watershed are Yankee Reservoir with 92% of average snow water and Ed Ward Flat with 104%. This is a marked contrast to the snowpack on adjacent watersheds, as illustrated by the reading at Cedar Breaks where the snow water is 10.7 inches, or 44% of average. Since the record began at Cedar Breaks in 1935, a lower reading has been recorded only once, in 1963 when the reading was 9.6 inches. Average snow water is 24.0 inches.

On Sheep Creek southeast of Salina the snowpack is essentially average, but immediately north and south of here it falls off very rapidly. To the north near the main Salina Creek watershed, new record low readings were established at Mt. Baldy Ranger Station on Twelve Mile Creek near Mayfield, at Middle Fork on Manti Creek, and at six snow courses on the east side of these mountains on the Muddy, Ferron and Cottonwood Creeks. These streams will yield about 45% to 65% of average streamflow. To the south, the snowpack on the Fremont river is only 55% of average.

WATER SUPPLY OUTLOOK (continued)

The outlook for San Pitch tributary streams from Ephraim to Mt. Pleasant is better than this, with about 65% to 70% of average expected.

On the Beaver river, although the snowpack increase at the Merchant Valley snow course was above average for March, it was less than average for the month at the higher courses. The result is that forecasts here are the same as last month. Streamflow near Beaver is forecast at 49% of average, while inflow to Rockyford reservoir near Minersville is expected to be 13%.

On the Sevier river, flow for both the South Fork at Hatch and of the East Fork near Kingston is expected to be 49% of average. Inflow to the main river from Kingston to Vermillion is forecast at 38%, from Vermillion to Gunnison at 51%.

From 40% to 55% of average flow is expected from Coal Creek near Cedar City, streams near Moab, Monticello and Blanding, the Virgin, Paria, Escalante and Fremont rivers.

While the outlook improved during March for Chalk Creek and the Weber river near Coalville, and for the Bear river at Woodruff, forecasts for these streams are still only 55% to 65% of average.

Improvement on some of the northern streams was very marked. For example, the forecast for Parley's Creek near Salt Lake jumped from 44% expected the first of March to a present outlook of 82%. The reason for this is illustrated by the snow data at the Lamb's Canyon snow course. On March 1 there was only 7.0 inches of water in the snow, while the present reading is 15.0 inches water. Thus the snowpack water more than doubled itself during the one month.

Some other changes in forecasts are as follows, the present forecast percent being listed first with last months forecast in parenthesis: Hobble Creek near Springville 93% (51%); Strawberry reservoir inflow 66% (45%); Utah Lake inflow 69% (50%); Provo at Vivian Park 79% (50%); Weber at Oakley 78% (61%); Pineview reservoir inflow 90% (64%); Little Bear near Paradise 76% (59%); Logan river 82% (77%).

Streams near Farmington and Tooele should yield from 85% to average flows.

The cold temperatures of this winter, and particularly during March, have prevented the normal amount of snowmelt from the lower and middle elevations. The result is that these lower snows are much nearer average than the high snows. In some places the lower snows are actually considerably above average.

The snowpack on the Ogden river illustrates this. At Monte Cristo Ranger Station, elevation 8960 ft., the snowpack is 84% of average, at the Beaver Creek-Skunk Creek snow course - elevation 7150 it is 95%, while down at Sagebrush Flat - elevation 6300 ft. there is 8.8 inches of snow water. This compares with the average of 1.4 inches. On watersheds such as this, a good yield is expected from these lower elevations.

COLORADO, GREEN AND SAN JUAN RIVERS

Snowfall on the upper Green river in Wyoming was somewhat below average during March, with the result that the forecast April-July inflow to Glaming Gorge reservoir dropped 2% since March 1st, the present outlook being 75%. Other forecasts for the principal gaging stations above Lake Powell have been raised from 1% to 9%.

The April-July inflow to Powell is up 6% since the March 1st forecast. The present forecast is for 5,100,000 acre feet, or 63% of average. Forecasts for other points can be found on page 5.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
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GREAT BASIN

BEAR RIVER SYSTEM

Bear nr Ut-Wyo. State Line	95	Apr-Sept	90	123	77
Bear near Woodruff	75	Apr-Sept	71	133	56
Woodruff Crk nr Woodruff, Utah	16	Apr-Sept	12.2	19.4*	82
Big Crk nr Randolph, Utah	7.5	Apr-Sept	2.9	9.7*	77
Bear near Randolph	50	Apr-Sept	- -	115	43
Smith's Fork nr Border, Wyo.	112	Apr-Sept	95	119	94
Bear at Harer, Idaho	220	Apr-Sept	140	299	74
Little Bear nr Paradise	35	Apr-Sept	22	46	76
Logan nr Logan (1)	117	Apr-Sept	103	143	82
Blacksmith Fork nr Hyrum (2)	56	Apr-Sept	37	67	84

WEBER-OGDEN RIVERS

Weber nr Oakley	80	Apr-June	82	107	75
	105	Apr-Sept	102	134	78
Wanship Reservoir Inflow (3)	83	Apr-July	94	130*	64
Weber nr Coalville (4)	95	Apr-Sept	100	143	66
Chalk Crk at Coalville	23	Apr-Sept	19.4	42	55
Lost Crk nr Croydon, Utah	15	Apr-Sept	10.7	19.9	75
East Canyon Crk nr Morgan (5)	20	Apr-Sept	11.8	28.7	70
So. Fork Ogden nr Huntsville	63	Apr-Sept	48	70	90
Pineview Reservoir Inflow (6)	128	Mar-July	93	142	90

PROVO RIVER & UTAH LAKE

Strawberry Reservoir Inflow (7)	37	Apr-Sept	35	56	66
Spanish Fork at Thistle	30	Apr-Sept	19.4	43	70
Payson Creek nr Payson	6.5	Apr-Sept	- -	8.0*	81
Hobble Crk nr Springville	22	Apr-Sept	12.4	23.7*	93
Provo nr Hailstone (8)	90	Apr-Sept	93	116 *	78
Provo at Vivian Park (9)	125	Apr-Sept	120	159	79
American Fork nr American Fork	25	Apr-Sept	25	36	69
Utah Lake Inflow	220	Apr-Sept	207	317	69

JORDAN RIVER & SALT LAKE

Little Cottonwood Crk nr SLC	34	Apr-Sept	36	39	87
Big Cottonwood nr SLC	35	Apr-Sept	33	40	87
Parley's Crk nr SLC	12	Apr-Sept	7.1	14.7	82

(1) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light Company's dam. (3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (4) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (5) Observed flow plus change in storage in East Canyon Reservoir. (6) Inflow record as computed by U.S. Bureau of Reclamation. (7) Change in storage plus diversion thru Strawberry tunnel. (8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
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SEVIER RIVER

Sevier at Hatch	16	Apr-June	16.2	35	46
	24	Apr-Sept	25.0	49	49
Sevier nr Circleville	18	Apr-Sept	18.8	43*	42
Sevier nr Kingston	3.5	Apr-June	2.7	24.6	14
	6	Apr-Sept	4.8	29.7	20
East Fork Sevier nr Kingston (10)	5.0	Apr-June	5.5	17.2	29
	10.5	Apr-Sept	10.2	21.6	49
Sevier below Piute Dam (11)	18	Apr-Sept	14.9	51	35
Clear Crk nr Sevier (abv. Div.)	9.5	Apr-June	4.7	15.9*	60
Inflow					
Kingston to Vermillion Dam	18	Apr-June	- -	47	38
Vermillion Dam to Gunnison	32	Mar-June	- -	63	51
Salina Crk at Salina (12)	2	Apr-June	0.5	9.4*	21
Sevier nr Gunnison a	26	Apr-Sept	24.3	64	41
Chalk Creek nr Fillmore	15.5	Apr-Sept	7.0	20.3	76

SAN PITCH RIVER

Pleasant Crk nr Mt. Pleasant	7	Apr-Sept	6.8	10.2*	69
Twin Crk nr Mt. Pleasant	3.2	Apr-Sept	3.8	5.0*	64
Ephraim Creek nr Ephraim	11	Apr-Sept	- -	15.7	70

BEAR RIVER

Beaver nr Beaver	11.5	Apr-June	10.6	22.3	52
	14.5	Apr-Sept	14.4	29.4	49
Rockyford Reservoir Inflow (13)	1.2	Apr-June	0.3	9.2	13

COAL CREEK

Coal Crk nr Cedar City	9	Apr-Sept	8.8	16.6	54
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COLORADO RIVER BASIN

GREEN RIVER TRIBUTARIES IN UTAH

FLAMING GORGE TO DUCHESNE RIVER

Henry's Fork at Linwood	25	Apr-Sept	- -	40	62
Ashley Creek nr Vernal	32	Apr-Sept	34	59	54

(10) Observed flow plus change in storage in Otter Creek Reservoir. (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Gage is below diversions near Salina. (13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (14) Observed flow plus diversion through Duchesne Tunnel. (15) Observed flow plus change in storage in Moon Lake Reservoir.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
<u>DUCHESNE RIVER</u>					
Duchesne at Provo River (Trail nr Hanna)	32	Apr-Sept	- -	42*	76
Duchesne nr Tabiona (14)	91	Apr-Sept	98	124	73
Rock Crk nr Mtn.Home	76	Apr-Sept	93	109	70
Strawberry at Duchesne	36	Apr-Sept	42	79	46
Lakefork below Moon Lake (15)	55	Apr-Sept	73	78	70
Yellowstone nr Altonah	54	Apr-Sept	73	79*	68
Uinta nr Neola	62	Apr-Sept	92	101	61
Whiterocks nr Whiterocks	38	Apr-Sept	55	57	57
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	8	Apr-Sept	9.6	12.6	63
Scofield Reservoir Inflow (16)	26	Apr-Sept	26	40	65
Price nr Heiner (16)	35	Apr-Sept	32	70	50
<u>SAN RAFAEL RIVER</u>					
Huntington Crk nr Huntington	34	Apr-Sept	40	59	58
Cottonwood Crk nr Orangeville	32	Apr-Sept	31	59	54
Ferron Crk nr Ferron	23	Apr-Sept	32	43*	53
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	11	Apr-Sept	14.8	23.1*	48
Ivie Creek abv. Div. nr Emery	0.9	Apr-Sept	- -	1.8*	50
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	24	Apr-June	18.0	44	55
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	2,900	Apr-Sept	1555	4059	71
Flaming Gorge Inflow (17)	970	Apr-July	645	1285	75
Green at Green river, Utah (17)	2,600	Apr-Sept	1835	3540	73
San Juan nr Bluff, Utah (18)	630	Apr-Sept	565	1226	51
Lake Powell Inflow (a)	5,100	Apr-July	3679	8100	63

(a) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1943-57, 15 year period. *Partly estimated.



RESERVOIR STORAGE (1,000 Ac. Ft.)

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE ^a
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	745.3	777.4	848.8
	Woodruff Narrows	26.5	17.0	18.5	- -
<u>Little Bear</u>	Hyrum	15.3	12.1	15.3	11.8
	Porcupine	11.3	No Report	3.0	- -
<u>Ogden</u>	Pineview	110.0	44.0	69.8	9.7
<u>Weber</u>	Rockport	60.9	25.6	31.9	- -
	Echo	73.9	43.4	45.6	35.7
	East Canyon	28.7	19.9	20.5	17.6
<u>Provo</u>	Deer Creek	149.7	98.8	113.4	84.2
<u>Spanish Fork</u>	Strawberry	270.0	57.0	55.5	137.6
<u>Utah Lake</u>	Utah Lake (b)	1149.0	330.5	317.2	658.0
<u>Sevier River</u>	Otter Creek	52.5	20.9	25.5	36.7
	Piute	74.0	24.8	23.9	54.2
	Sevier Bridge	236.1	55.7	70.0	166.0
<u>Beaver River</u>	Rocky Ford	23.3	8.2	9.9	17.0
<u>COLORADO RIVER DRAINAGE</u>					
<u>Ashley Creek</u>	Steinaker	33.3	10.6	16.1	- -
<u>Lake Fork</u>	Moon Lake	35.8	22.0	17.2	15.5
<u>Price River</u>	Scofield	65.8	11.5	19.9	17.9
<u>Green</u>	Flaming Gorge	3789.0*	872.3	108.7	- -
<u>San Juan</u>	Navajo	1709.0*	331.3	149.7	- -
<u>Colorado</u>	Lake Powell	27,000.0*	3002.0	312.0	- -

(a) 1943-57 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *
Bear River South of Evanston, Wyo.	4	145	85
Smith's Fork - Bear River (Wyo)	4	140	100
Emigration Creek (Idaho)	2	156	103
Strawberry-Mink Creeks (Ida)	3	164	97
Cub River (Ida)	3	334	120
Logan River	6	155	95
Blacksmith Fork-Little Bear	5	169	88
Malad River (Idaho)	2	231	204
Ogden River	5	200	92
Weber River above Echo Dam	8	151	82
Chalk Creek - Coalville	3	257	96
East Canyon Creek	3	171	89
Farmington Creek	2	140	84
Salt Lake Area	4	132	90
Tooele Area	3	242	112
American Fork River	3	175	60
Provo River above Vivian Park	6	128	73
Strawberry Reservoir Valley	3	138	77
Hobble Creek	2	306	100
Spanish Fork River	4	161	86
Mt. Nebo Area	2	288	101
Sevier River above Panguitch	6	228	53
East Fork Sevier River	4	131	59
Clear Creek above Sevier	1	189	87
Salina Creek	2	163	106
Mt. Pleasant Area	3	109	81
Ephraim Area	2	99	75
Manti Area	2	95	78
Mayfield Area	2	82	71
Chicken Creek-Levan	1	147	86
Chalk Creek - Fillmore	2	199	87
Beaver River	3	166	46
Parowan Creek	3	211	80
Coal Creek - Cedar City	4	154	59
Enterprise - New Harmony	1	- -	78

COLORADO RIVER BASIN IN UTAH

Duchesne River above Tabiona	3	115	72
Strawberry River	4	133	68
Lakefork River	2	96	53
Whiterocks-Uintah Rivers	3	116	40
Ashley - Brush Creeks	4	109	45
Price River	8	137	75
San Rafael Tributaries	7	80	61
Muddy River	2	52	35
Fremont River	4	99	55
Escalante River	2	124	60
Virgin River	4	288	56
LaSal Mtns. near Moab	2	68	48
Blue Mtns. nr Monticello	2	76	43

* Actual or Estimated 1943-57, 15 year Average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^a

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	4/2	58	19.2	15.4	20.6*
Burts-Miller Ranch	10J6	7900	3/26	26	6.4	3.6	6.1
CCC Camp x	10G7	7500	3/30	45	13.5	8.5	12.3
Hayden Fork	10J7	9300	3/26	59	13.6	11.4	18.3*
Kelly Ranger Station	10G12	8200	4/2	55	17.3	12.7	18.1*
Monte Cristo R.S.	11H12	8960	3/27	82	23.4	19.7	27.9
Piney LaBarge x	10G10	8820	3/29	62	18.4	16.1	20.5
Poison Meadows x	10G6	8500	3/30	76	25.5A	25.7	29.8*
Salt River Summit x	10G8	7900	3/30	54	16.6	11.8	16.1*
Stillwater Camp	10J17	8550	3/26	43	10.1	7.8	13.5*
Trial Lake x	10J8	9800	3/30	65	19.5	18.8	29.1

LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	3/27	49	13.0	6.5	13.7*
Christensen Ranch	11G11	5600	3/27	41	10.6	0.0	8.7*
Cub River R.S.	11G12	5400	3/26	42	11.4	0.0	7.4*
Dry Bread Pond x	11H13	8230	3/27	63	16.6	13.4	20.0
Dry Creek Flat	12G4	6350	3/30	31	10.1	0.0	3.7*
Emigration Canyon	11G7	6500	3/27	47	12.2	7.2	10.7*
Emigrant Summit	11G6	7700	3/27	83	23.8	16.8	25.7
Franklin Basin	11G8	8200	3/30	74	25.2	21.1	29.2
Garden City Summit	11H7	7600	3/30	52	16.0	13.1	20.3
Klondike Narrows	11H1	7400	3/30	59	19.6	13.9	20.0*
Little Bear (lower)	11H26	6100	3/25	40	10.6	1.1	9.0*
Little Bear (upper)	11H25	6850	3/25	44	12.0	4.3	12.0*
Monte Cristo R.S.	11H12	8960	3/27	82	23.4	19.7	27.9
Oxford Mountain	12G3	6800	3/30	36	11.1	4.8	8.2*
Slug Creek Divide	11G5	7225	3/31	49	16.1	13.2	16.8
Steep Hollow #1	11H27	8500	3/30	96	32.8	28.2	- -
Steep Hollow #2	11H28	7700	3/30	74	25.6	19.2	- -
Strawberry Creek	11G9	5800	3/25	45	13.1	0.0	12.4*
Strawberry Mink Divide	11G10	6800	3/26	74	21.4	11.5	23.3*
Tony Grove R. S.	11H3	6250	3/30	38	12.2	4.1	10.5*
Willow Flat	11G4	6100	3/26	60	18.1	3.3	15.1*

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	3/27	49	13.0	6.5	13.7*
Ben Lomond (lower)	11H9	5850	3/26	62	17.2	4.0	15.0*
Ben Lomond Peak	11H8	8000	3/26	99	30.3	23.5	36.0*
Ben Lomond Trail	11H30	6000	3/26	64	17.7	5.0	- -
Cutler Creek	11H29	6780	3/26	88	26.2	17.2	- -

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

OGDEN RIVER - Continued

Dry Bread Pond	11H13	8230	3/27	63	16.6	13.4	20.0
Horse Ridge	11H21	8260	3/24	63	19.0	17.1	- -
Monte Cristo R. S.	11H12	8960	3/27	82	23.4	19.7	27.9
Sagebrush Flat	11H15	6300	3/27	34	8.8	T	1.4*

WEBER RIVER

Beaver Creek R. S.	11J24	7500	3/30	28	8.6	4.7	9.3*
Chalk Creek #1	11J1	9100	3/27	79	19.2	18.1	25.7*
Chalk Creek #2	11J2	8000	3/27	57	14.0	10.5	16.2*
Chalk Creek #3	11J3	7500	3/27	41	9.6	1.8	7.6*
Farmington Canyon(lower)	11J12	6950	3/30	67	21.3	13.2	24.6*
Farmington Canyon(upper)	11J11	8000	3/30	77	23.8	20.2	28.6*
Horse Ridge	11H21	8260	3/24	63	19.0	17.1	- -
Kilfore Creek	11H31	7300	3/24	46	11.9	10.6	- -
Lamb's Canyon x	11J14	6600	3/27	62	15.0	6.8	15.6
Lost Creek Reservoir	11H32	6125	3/24	20	5.2	0.0	- -
Parley's Canyon Smt.	11J15	7500	3/28	68	18.6	11.2	19.0
Redden Mine(lower)	11J6	8500	3/31	47	15.0	12.3	21.0
Redden Mine(upper)	11J5	9000	3/31	53	16.8	12.9	22.1
Silver Lake x	11J16	8725	3/30	70	21.2	16.8	28.7
Smith & Morehouse	11J4	7600	3/28	48	12.2	7.8	14.1
Trial Lake x	10J8	9800	3/30	65	19.5	18.8	29.1

PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	3/31	34	10.6	3.5	18.3
Clear Creek Ridge #1	11K21	9200	3/25	58	15.3	12.1	18.9*
Clear Creek Ridge #2	11K22	8000	3/25	46	11.8	5.9	15.0*
Clear Creek Ridge #3	11K23	6600	3/25	25	6.4	0.7	6.7*
Daniels-Strawberry Smt.	11J23	8000	3/30	41	12.0	10.0	16.6
Dutchman R.S.	11J17	7500	3/31	39	12.3	11.4	20.2
East Portal	11J7	7560	3/30	36	10.4	6.2	13.1
Hobble Creek Summit	11J22	7300	3/27	54	14.3	6.2	14.8
Packard Canyon	11J31	6400	3/26	45	10.7	2.8	10.5*
Payson R.S.	11K1	8050	3/25	57	16.8	10.6	19.1*
Rock Bridge	11K2	6750	3/25	51	15.1	3.6	13.3*
Soapstone R. S.	11J25	7800	3/30	38	10.9	8.9	14.0
South Fork R. S.	11J19	6100	3/31	14	5.3	0.0	4.8
Strawberry Divide	11J8	8000	3/30	59	17.8	14.1	22.1
Timpanogos Cave Camp	11J18	5500	3/31	15	5.3	0.0	2.2
Timpanogos Divide	11J21	8140	3/31	50	16.8	14.6	28.0
Trial Lake	10J8	9800	3/30	65	19.5	18.8	29.1

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

JORDAN RIVER & TOOELE VALLEY

Bevan's Cabin	12J2	6450	3/27	54	14.0	1.4	12.4*
Lamb's Canyon	11J14	6600	3/27	62	15.0	6.8	15.6
Middle Canyon - Tooele	12J3	7000	3/26	59	17.6	5.2	13.5*
Mill D South Fork	11J10	7400	3/30	60	18.8	12.8	20.8
Parley's Canyon Smt. x	11J15	7500	3/28	68	18.6	11.2	19.0
Rocky Basin-Settlement Cyn.	12J1	8900	3/27	88	22.6	15.4	24.4*
Silver Lake	11J16	8725	3/30	70	21.2	16.8	28.7

UPPER SEVIER RIVER (South of Richfield, Utah)

Big Flat x	12L7	10290	3/28	40	9.6	11.2	20.0
Box Creek	12L4	9800	3/27	40	10.0	6.9	15.0*
Bryce Canyon	12M8	8000	3/30	9	2.4	0.0	4.0
Castle Valley	12M13	9700	3/30	35	10.0	7.0	14.0*
Cedar Breaks	12M1	10390	3/30	42	10.7	9.6	24.0
Duck Creek R.S.	12M4	8560	3/27	33	8.2	1.6	15.9
Fish Lake	11L3	8700	4/2	18	3.8	T	8.3
Harris Flat R. S.	12M5	7700	3/27	21	5.0	T	8.5
Kimberly Mine	12L6	8900	3/26	56	15.1	8.0	17.4
Long Valley Jct. x	12M6	7500	3/27	6	1.4	0.0	4.2
Midway Valley	12M2	9800	3/30	52	13.0	8.8	25.2*
Panguitch Lake	12M7	8200	3/30	7	2.0	T	5.1
Squaw Springs	12L5	9300	3/27	22	5.5	3.3	9.2*
Widtsoe-Escalante Smt.	11M1	9500	3/27	20	4.9	3.8	7.5
Widtsoe-Escalante #2	11M2	9500	3/27	25	5.8	4.9	10.4*
Widtsoe-Escalante #3	11M3	9500	3/27	31	6.8	7.6	- -

LOWER SEVIER RIVER (Including San Pitch River)

Bear Canyon	12L3	7200	4/1	34	9.8	3.9	11.3*
Beaver Dams	11K13	8000	3/26	42	10.4	11.8	12.8*
Farnsworth Lake	11L1	9900	3/30	53	17.9	13.2	18.7*
G.B.R.C. Headquarters	11K11	8700	3/31	43	13.1	12.0	17.2
G.B.R.C. Meadows	11K10	10000	3/31	60	19.3	21.7	26.0
Gooseberry R. S.	11L2	8400	3/30	40	13.5	7.1	11.5
Gooseberry Reservoir x	11K4	8700	3/27	57	16.1	14.4	20.2
Huntington-Horseshoe	11K5	9800	3/27	66	20.0	19.8	24.5
Mammoth R.S.-Ctnwood Crk.	11K3	8800	3/27	62	17.2	15.2	21.3
Middle Fork	11K34	9600	3/25	71	17.4	18.0	24.0*
Mt. Baldy R.S.	11K12	9500	3/26	64	14.9	19.7	24.2*
Pine Creek	12L1	8700	4/2	47	14.3	9.7	16.5*
Rees's Flat	11K36	7300	3/24	43	10.9	7.4	12.7*
Shingle Mill	12L11	6200	4/1	34	10.4	1.8	- -
Thistle Flat	11K35	8500	3/25	54	13.7	14.6	16.5*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.



SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

BEAVER RIVER

Big Flat	12L7	10000	3/28	40	9.6	11.2	20.0
Merchant's Valley	12L9	8200	3/28	19	4.6	1.5	11.1
Otter Lake	12L8	9300	3/28	38	8.7	8.2	17.3

PAROWAN CREEK

Ed Ward Flat	12M12	8300	3/25	40	8.2	2.4	7.9*
Yankee Reservoir	12M11	8700	3/25	47	10.1	5.6	11.0*

COAL CREEK

Cedar Breaks	12M1	10390	3/30	42	10.7	9.6	24.0
Midway Valley x	12M2	9800	3/30	52	13.0	8.8	25.2*
Urie Flat	12M10	8450	3/30	18	5.8	0.4	7.3*
Webster Flat	12M3	9200	3/30	39	11.2	5.5	18.1

ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	4/1	0	0.0	0.0	- -
Long Flat	13M2	8000	4/1	16	5.2	0.3	6.4*

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH

(Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	3/24	35	8.1	7.2	- -
Buck Pasture A	10J23	9700	3/30	47	11.5A	10.5A	- -
E.Fk. Black's Fk. G.S.	10J21	9300	3/24	35	9.2	7.6	- -
Henry's Fork A	10J24	10200	3/30	60	14.5A	9.7A	- -
Hewinta Guard Station	10J4	9500	3/25	33	8.3	8.9	10.5
Hickerson Park	9J8	9100	3/24	29	6.3	3.8	- -
Hole-in-the-Rock	10J1	9150	3/26	29	6.4	4.1	6.5
Hole-in-the-Rock G.S.	10J3	8300	3/27	12	2.6	1.2	1.8*
Middle Beaver Creek	10J2	8550	3/26	26	6.1	3.0	5.7*
Spirit Lake	9J7	10300	3/24	52	12.7	5.6	- -
Steel Creek Park	10J20	9900	3/25	52	13.2	11.0	- -

BRUSH CREEK

King's Cabin(lower)	9J2	8600	3/23	24	5.0	4.2	10.5
King's Cabin(upper)	9J1	8730	3/23	28	6.2	5.8	12.0

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.



SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	3/30	50	12.0A	5.2A	- -
Atwood Basin A	10J27	10250	3/30	48	10.5A	5.0A	- -
Brown Duck Lake	10J9	10300	Delayed Report			10.4	19.7*
Chepeta-Whiterocks Lakes A	9J9	10300	3/30	26	6.0A	5.8A	- -
Currant Creek	11J32	7800	3/31	22	7.0	5.4	10.0*
Daniels-Strawberry Smt.x	11J23	8000	3/30	41	12.0	10.0	16.6
East Portal x	11J7	7560	3/30	36	10.4	6.2	13.1
Five Point Lake A	10J26	11000	3/30	55	12.5A	11.2A	- -
Indian Canyon	10K1	9100	3/27	33	7.3	7.6	13.1
Jackson Park	10J19	11300	3/19	36	8.0	7.2	15.6*
Julius Park	9J6	9800	3/25	38	8.8	6.4	- -
Lakefork Basin A	10J25	11100	3/30	70	17.0A	N.R.	- -
Lakefork Mountain	10J10	10500	3/26	36	8.1	7.0	13.6
Lakefork Mountain #2	10J11	8900	3/26	22	4.1	5.4	8.8*
Lakefork Mountain #3	10J12	8100	3/26	18	2.5	3.4	6.4*
Mosby Mountain	9J5	9500	3/25	28	5.0	6.0	12.7
Paradise Park	9J3	10100	3/25	26	5.8	4.6	14.5
Reynolds Park A	9J10	10400	No Report			N.R.	- -
Rock Creek	10J18	7900	4/2	15	4.2	2.6	7.2*
Soapstone R.S. x	11J25	7800	3/30	38	10.9	8.9	14.0
Trial Lake x	10J8	9800	3/30	65	19.5	18.8	29.1
White River #1 x	10K2	8600	3/31	36	10.0	6.8	14.9*
Windy Park A	9J12	9400	3/30	51	11.0A	5.0A	- -

PRICE RIVER

Corral	10K5	8200	4/1	12	3.0	0.0	8.6*
Dry Valley Divide	11K8	7800	3/30	29	8.0	3.1	11.7
Gooseberry Reservoir	11K4	8700	3/27	57	16.1	14.4	20.2
Grassy Trail Crk-Left Fk.	10K3	7970	4/1	17	3.9	2.5	10.1*
Huntington-Horseshoe	11K5	9800	3/27	66	20.0	19.8	24.5
Indian Canyon x	10K1	9100	3/27	33	7.3	7.6	13.1
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	3/27	62	17.2	15.2	21.3
Mud Creek #2	11K33	8300	3/30	41	10.8	8.1	14.2*
Jones Ranch	11K7	7600	3/30	22	5.8	0.5	6.2*
Timberline	10K6	9100	4/1	25	6.3	6.0	- -
White River #1	10K2	8600	3/31	36	10.0	6.8	14.9*
White River #2	11K24	7600	3/31	22	6.2	1.4	9.0*
White River #3	11K25	7400	3/31	23	6.9	0.0	9.1*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

SAN RAFAEL RIVER

Buck Flat	11K31	9400	3/26	49	9.9	15.9	16.4*
Gooseberry Reservoir	11K4	8700	3/27	57	16.1	14.4	20.2
Huntington-Horseshoe	11K5	9800	3/27	66	20.0	19.8	24.5
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	3/27	62	17.2	15.2	21.3
Red Pine Ridge	11K28	9400	3/27	57	13.1	13.3	19.1*
Rush Pond	11K38	9800	3/26	37	7.8	12.9	15.1*
Seely Creek R.S.	11K9	10000	3/31	31	10.9	14.8	15.8
Stuart R. S.	11K27	7950	3/28	29	5.1	5.0	8.2*
Switchback	11K26	8600	3/28	52	12.6	10.9	18.3*
Upper Joe's Valley	11K29	8800	3/27	29	5.8	7.7	10.5*
Wrigley Creek	11K32	9000	3/26	29	6.1	8.2	11.0*

MUDDY RIVER

Black's Fork	11K14	9200	3/20	26	5.8	10.1	16.5*
Dill's Camp	11K15	9200	3/20	24	4.9	10.3	14.0*
Mt. Baldy R.S. x	11K12	9500	3/26	64	14.9	19.7	24.2*

FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	4/2	27	6.4	6.8	10.3*
Donkey Reservoir	11L5	9800	3/25	25	4.4	5.4	9.0*
Farnsworth Lake x	11L1	9900	3/30	53	17.9	13.2	18.7*
Fish Lake	11L3	8700	4/2	18	3.8	T	8.3
Johnson Valley	11L6	8850	4/2	19	4.8	4.0	8.0*

ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	3/27	20	4.9	3.8	7.5
Widtsoe-Escalante #2	11M2	9500	3/27	25	5.8	4.9	10.4*
Widtsoe-Escalante #3	11M3	9500	3/27	31	6.8	7.6	- -

VIRGIN RIVER

Cedar Breaks x	12M1	10390	3/30	42	10.7	9.6	24.0
Duck Creek R.S.	12M4	8560	3/27	33	8.2	1.6	15.9
Harris Flat R.S.	12M5	7700	3/27	21	5.0	T	8.5
Long Valley Jct.	12M6	7500	3/27	6	1.4	0.0	4.2
Midway Valley x	12M2	9800	3/30	52	13.0	8.8	25.2*
Webster Flat	12M3	9200	3/30	39	11.2	5.5	18.1

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	3/24	41	7.6	8.6	14.9
Camp Jackson	9M2	8600	3/24	28	4.9	7.8	13.9*
LaSal Mountain	9L1	8800	3/25	29	5.0	8.4	11.0
LaSal Mountain (upper)	9L2	9600	3/25	48	9.8	12.7	19.0*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.



PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943 - 57 AVERAGE	THIS YEAR	1943 - 57 AVERAGE	PERCENT OF AVERAGE

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GREAT BASIN DRAINAGE

UPPER BEAR RIVER

(Above Harer, Idaho)

Chalk Creek #2 *	8000	3/27	4.49	3.30	15.72	18.35	86
Chalk Creek #3 *	7500	3/27	3.90	- -	12.93	- -	--
Monte Cristo #2	8960	3/27	7.88	- -	23.07	- -	--
Salt River Summit	7900	3/30	3.70	3.28	16.48	18.87	87
Stillwater Camp	8550	3/26	- -	- -	11.56	15.00	77
Trial Lake *	9800	3/30	5.65	4.72	16.40	24.56	67

LOWER BEAR RIVER

(Below Harer, Idaho)

Dry Bread Pond	8230	3/27	6.40	4.74	18.63	23.30	80
Garden City Summit	7600	3/30	4.47	3.60	16.94	18.57	91
Klondike Narrows	7400	3/30	5.56	4.50	22.01	23.05	95
Little Bear (upper)	6850	3/25	3.91	3.58	14.91	20.00	75
Monte Cristo #2	8960	3/27	7.88	- -	23.07	- -	--
Tony Grove R.S.(SCS)	6250	3/30	4.04	- -	14.51	- -	--
Willow Flat	6100	3/26	4.95	4.79	18.20	24.27	75

OGDEN RIVER

Ben Lomond(lower)	5850	3/26	5.36	4.62	22.49	26.64	84
Ben Lomond Trail	6000	3/26	5.50	- -	23.25	- -	--
Causey Dam	5500	3/27	3.93	- -	13.17	- -	--
Dry Bread Pond	8230	3/27	6.40	4.74	18.63	23.30	80
Horse Ridge	8260	3/24	5.68	- -	20.09	- -	--
Monte Cristo #2 *	8960	3/27	7.88	- -	23.07	- -	--
Sagebrush Flat	6300	3/27	3.99	3.47	12.47	15.60	80

WEBER RIVER

Chalk Creek #2	8000	3/27	4.49	3.30	15.72	18.35	86
Chalk Creek #3	7500	3/27	3.90	- -	12.93	- -	--
Farmington Guard Sta.(1)	7500	3/30	7.54	5.95a	23.66	30.32a	78
Farmington Rice (1)	7000	3/30	7.19	5.38a	23.06	27.59a	84
Horse Ridge	8260	3/24	5.68	- -	20.09	- -	--
Lost Creek Reservoir	6125	3/24	2.27	- -	7.73	- -	--
Mt. Dell Dam (2)*	5500	3/31	3.78	2.47a	11.76	13.44a	88
Parley's Canyon Smt.	7500	3/28	7.14	3.40	20.04	21.08	95
Silver Lake(Brighton)*(2)	8725	3/31	7.36	6.15a	23.09	30.11a	77
Smith & Morehouse	7600	3/28	4.63	3.55	15.99	18.65	86
Trial Lake *	9800	3/30	5.65	4.72	16.40	24.56	67

(1) Data supplied by U.S. Forest Service

* Adjacent Drainage

(2) Data supplied by U.S. WB

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PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE
a							
a							
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	3/25	3.65	4.00	12.15	17.13	71
Daniels-Strawberry Smt.	8000	3/30	5.30	4.93	14.97	18.53	81
Dutchman R. S.	7500	3/31	3.66	5.27	15.34	27.62	56
East Portal Ridge	7800	3/30	5.35	- -	15.09	- -	--
Hobble Creek Smt.	7300	3/27	4.78	3.64	14.44	17.12	84
Payson R. S.	8050	3/25	4.22	3.24	17.44	18.05	97
Soapstone R. S.	7800	3/30	4.47	3.35	16.01	17.90	89
Strawberry Res.-E.Portal	7606	3/30	2.35	1.69	8.39	9.43	89
Timpanogos Divide	8200	3/31	5.17	5.44a	19.91	28.48a	70
Trial Lake	9800	3/30	5.65	4.72	16.40	24.56	67
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	3/26	5.58	3.07	19.12	17.70	108
Mt. Dell Dam (2)	5500	3/31	3.78	2.47a	11.76	13.44a	88
Parley's Canyon Smt.	7500	3/28	7.14	3.40	20.04	21.08	95
Silver Lake(Brighton)(2)	8725	3/31	7.36	6.15a	23.09	30.11a	77
SEVIER RIVER ABOVE RICHFIELD							
Big Flat *	10290	3/26	3.68	4.52	10.15	19.00	53
Box Creek	9800	3/27	3.70	3.07	10.50	15.50	68
Castle Valley	9700	3/30	3.98	3.07	10.66	13.46	79
Cedar Breaks	10390	3/30	4.28	- -	12.48	- -	--
Duck Creek R. S.	8560	3/27	4.77	4.09	12.95	18.52	70
Kimberly Mine	8900	3/26	6.30	3.67	17.31	19.40	89
Panguitch Lake	8200	3/30	1.69	1.23	4.77	7.17	67
Webster Flat *	9200	3/30	5.20	4.40	13.38	20.00	67
Widtsoe-Escalante #3	9500	3/27	2.91	2.90	8.76	12.79	68
Widtsoe R. S.	7600	3/27	0.82	1.10a	3.00	5.24	57
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	3/26	2.90	3.18	9.76	14.93	65
Farnsworth Lake	9900	3/30	6.07	3.65	19.07	19.00	100
Fish Lake	8700	4/2	2.45	1.36	6.35	6.47	98
G.B.R.C. Headquarters(1)	8700	3/31	3.31	4.21a	13.16	18.76a	70
G.B.R.C. Meadows(1)	10000	3/31	5.86	4.50a	18.34	19.64a	93
G.B.R.C. Oaks (1)	7655	3/31	3.15	2.97a	9.79	13.10a	75
Gooseberry R.S. (1)	7800	3/30	3.48	2.55	12.33	12.10	102
Gooseberry Reservoir *	8700	3/27	5.15	4.08	14.60	18.30	80
Mammoth R.S. #2*	8600	3/27	5.93	4.00	16.05	18.15	88
Mt. Baldy	9500	3/26	3.55	- -	11.98	- -	--
Pine Creek	8700	4/2	5.81	3.86	19.23	23.56	82
Shingle Mill	6200	4/1	3.95	- -	12.82	---	--

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BEAVER RIVER

Beaver Canyon P.H. (2)	7275	3/31	1.95	2.54 ^a	5.35	10.80 ^a	50
Big Flat	10290	3/26	3.68	4.52	10.15	19.00	53

PAROWAN CREEK

Yankee Reservoir	8700	3/25	4.40	2.96	10.40	12.43	84
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COAL CREEK

Cedar Breaks	10390	3/30	4.28	- -	12.48	- -	--
Webster Flat*	9200	3/30	5.20	4.40	13.38	20.00	67

ENTERPRISE TO NEW HARMONY DRAINAGE

Little Grassy Creek	6100	4/1	3.50	3.37	8.30	13.14	63
Long Flat	8000	4/1	4.03	3.84	9.00	14.09	64

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

Black's Fork Jct.	8925	3/24	2.85	- -	9.91	- -	--
E.Fk. Black's Fk. G.S.	9300	3/24	3.01	- -	11.34	- -	--
Hewinat G.S.	9500	3/25	2.90	- -	11.08	- -	--
Spirit Lake	10300	3/24	3.20	- -	12.70	- -	--

BRUSH CREEK

King's Cabin(upper)	8730	3/23	1.85	2.00	6.75	13.56	50
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DUCHESNE RIVER

Currant Creek	7800	3/31	- -	- -	10.15	13.34	76
Daniels-Strawberry Smt.*	8000	3/30	5.30	4.93	14.97	18.53	81
East Portal Ridge *	7800	3/30	5.35	- -	15.09	- -	--
Indian Canyon	9100	3/27	3.55	- -	7.85	- -	--
Julius Park	9800	3/25	2.55	2.23	7.42	15.16	49
Lakefork Mountain	10500	3/26	2.80	2.74	9.45	14.40	66
Moon Lake	8150	3/31	1.50	1.35 ^a	4.65	9.07 ^a	51
Paradise Park	10100	3/25	2.65	2.65	8.30	16.25	51
Rock Creek	7900	4/2	4.50	- -	8.45	12.80	66
Soapstone R.S.*	7800	3/30	4.47	3.35	16.01	17.90	89
Strawberry Res.-E.Portal *	7606	3/30	2.35	1.69	8.39	9.43	89
Trial Lake *	9800	3/30	5.65	4.72	16.40	24.56	67
White River #1*	8600	3/31	3.80	3.20	10.75	16.31	66

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a

a

PRICE RIVER

Clear Creek Ridge #2 *	8000	3/25	3.65	4.00	12.15	17.13	71
Gooseberry Reservoir	8700	3/27	5.15	4.08	14.60	18.30	80
Indian Canyon	9100	3/27	3.55	- -	7.85	- -	--
Mammoth R.S.#2	8600	3/27	5.93	4.00	16.05	18.15	88
Mud Creek	8300	3/30	5.50	2.83	11.70	16.20	72
White River #1	8600	3/31	3.80	3.20	10.75	16.31	66

SAN RAFAEL RIVER

Buck Flat	9400	3/26	3.85	3.87	10.90	17.00	64
G.B.R.C. Meadows *(1)	10000	3/31	5.86	4.50 ^a	18.34	19.64 ^a	93
Gooseberry Reservoir *	8700	3/27	5.15	4.08	14.60	18.30	80
Red Pine Ridge	9400	3/27	5.00	3.38	13.55	20.00	68
Stuart R.S.	7950	3/28	- -	- -	8.20	14.27	57

MUDDY RIVER

Mt. Baldy R.S. *	9500	3/26	3.55	- -	11.98	- -	--
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FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	4/2	3.25	2.30	7.95	12.00	66
Farnsworth Lake *	9900	3/30	6.07	3.65	19.07	19.00	100
Fish Lake	8700	4/2	2.45	1.36	6.35	6.47	98
Widtsoe-Escalante #3	9500	3/27	2.91	2.90	8.76	12.79	68

VIRGIN RIVER

Duck Creek R.S.	8560	3/27	4.77	4.09	12.95	18.52	70
Webster Flat	9200	3/30	5.20	4.40	13.38	20.00	67

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	3/24	4.45	3.25	10.78	19.00	57
Camp Jackson	8600	3/24	3.05	2.09	7.90	15.01	53
LaSal Mountain(upper)	9600	3/25	4.05	3.00	11.30	19.00	59

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Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture
Soil Conservation Service
Forest Service
U. S. Department of Commerce
Weather Bureau
U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner
Utah Water and Power Board

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

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